Application No. 10/662,785

In the Claims

- 1-24. (Canceled)
- 25. (Currently Amended) A method of preparing a zinc electrode composition for use in preparing a zinc electrode including the steps of:
 - 1. Preparing a first precipitate of zinc hydroxide;
- 2. Nonreactively mixing Mixing a solution of an alkali salt of either a C₆-C₃₀ fatty acid or a C₆-C₃₀ alkyl sulfonic acid with a suspension of the first precipitate; and
- 3. Adding a solution of a salt of a mineral acid to the mix to provide the composition as a second precipitate;

wherein the composition is a mixture of:

- (i) zinc hydroxide; or
- (ii) zinc oxide and zinc hydroxide,

and an insoluble salt of either a C₆-C₃₀ fatty acid or a C₆-C₃₀ alkyl sulfonic acid.

- 26. (Original) A method as claimed in Claim 25 wherein the first precipitate includes graphite.
- 27. (Original) A method as claimed in Claim 25 wherein the solution of an alkali salt of either a C₆-C₃₀ fatty acid or a C₆-C₃₀ alkyl sulfonic acid is saturated with zinc.
- 28. (Original) A method as claimed in Claim 25 wherein the alkali salt of either a C₆-C₃₀ fatty acid or a C₆-C₃₀ alkyl sulfonic acid is an alkali salt of a naturally occurring C₁₂-C₂₂ fatty acid.
- 29. (Original) A method as claimed in Claim 25 wherein the alkali salt of either a C₆-C₃₀ fatty acid or a C₆-C₃₀ alkyl sulfonic acid is an alkali metal salt of stearate.
- 30. (Original) A method as claimed in Claim 25 wherein the alkali salt of either a C₆-C₃₀ fatty acid or a C₆-C₃₀ alkyl sulfonic acid is potassium stearate.

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Application No. 10/662,785

- 31. (Original) A method as claimed in Claim 30 wherein the salt of a mineral acid is zinc sulphate.
- 32. (Previously Amended) A method as claimed in Claim 30 wherein the composition is a mixture of zinc stearate_and either zinc hydroxide or a combination of zinc oxide and zinc hydroxide.
- 33. (Previously Amended) A method as claimed in Claim 32 wherein the molar ratio of zinc stearate to either zinc hydroxide or a combination of zinc oxide and zinc hydroxide is in the range 0.0001:1 to 0.5:1.
 - 34. (Original) A method as claimed in Claim 32 wherein the range is 0.05:1 to 0.4:1.
- 35. (Original) A method as claimed in Claim 32 wherein the range is 0.075:1 to 0.25:1.
- 36. (Original) A method as claimed in Claim 32 wherein the salt of a mineral acid is calcium nitrate.
- 37. (Previously Amended) A method as claimed in Claim 36 wherein the composition is a mixture of calcium stearate and either zinc hydroxide or a combination of zinc oxide and zinc hydroxide.
- 38. (Previously Amended) A method as claimed in Claim 37 wherein the molar ratio of calcium stearate to either zinc hydroxide or a combination of zinc oxide and zinc hydroxide is in the range 0.0001:1 to 0.2:1.
 - 39. (Original) A method as claimed in Claim 37 wherein the range is 0.01:1 to 0.1:1.
- 40. (Original) A method as claimed in Claim 37 wherein the range is 0.03:1 to 0.15:1.
 - 41-87. (Canceled)